



United States Department of Agriculture
National Agricultural Statistics Service



2013 Machinery Custom Rates

Cooperating with the Pennsylvania Department of Agriculture
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Pennsylvania's 2013 Machinery Custom Rates

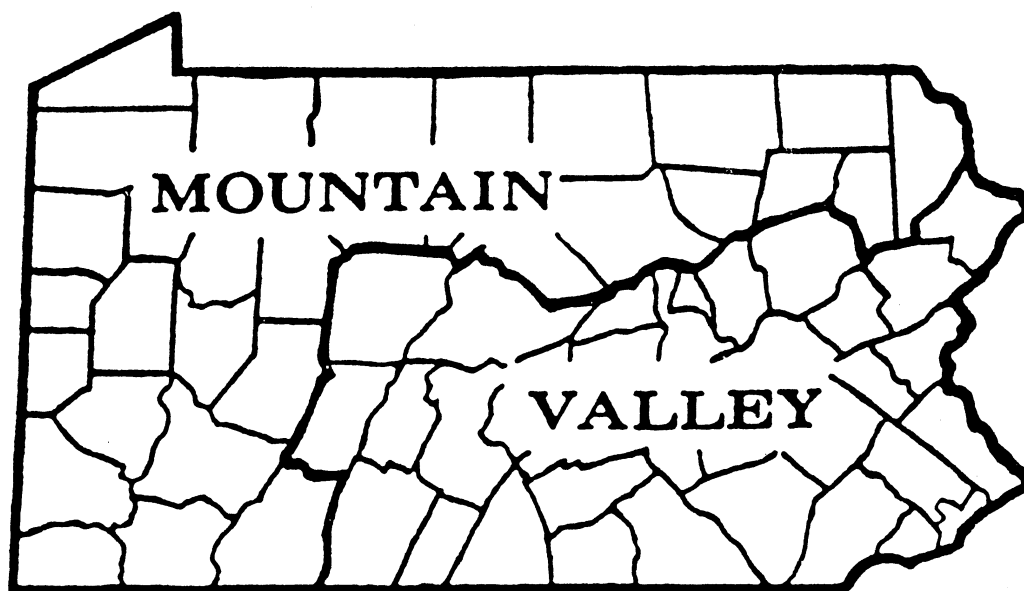
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The custom rates shown are averages from voluntary reports by custom operators and farmers throughout Pennsylvania. Most of the rates are stated per acre, cwt., ton, bale, or bushel rather than per hour to reduce the variation due to machinery size. The rates shown include the cost of hiring machine with fuel and operator and exclude the cost of seed, fertilizer, and other materials used unless otherwise specified. Individual rates vary due to differences in working conditions, services performed, or even the operator's eagerness to do custom work. Therefore, the average rates shown should not be considered absolute indications of fair charges.

Average rates are shown separately for two regions of the state, labeled "**Mountain**" and "**Valley**". The differences in rates between regions reflect differences in

terrain, soils and alternative opportunities for the labor and equipment used. Figures labeled "**State**" represent the straight average of all reports used regardless of geographic location.

Of the 82 rates reported with year-to-year comparisons, 65 increased, 12 decreased, and 5 are virtually unchanged from last year. Overall, custom rates were up 4.45 percent compared to the previous year. Because of the potential variation in size and overall productivity of equipment, a range of reported rates for each job has been included. The range represents the middle 80 percent of all reported rates for each job, thus the lowest 10 percent and the highest 10 percent of all reported values were not published.



Custom Rates: Selected Farming Operations, Pennsylvania, 2012-2013

Job	Basis of Charge	2013 (Dollars)				2012
		Mountain Section	Valley Section	Range ²	State	State (Dollars)
Harvesting:						
Corn Picking	Acre	32.40	23.40	15.00-40.00	27.30	26.70
Corn Combining.....	Acre	33.80	32.30	29.00-36.00	32.60	32.20
Corn Drying (23 Percent).....	Bu.	0.47	0.50	0.15-0.95	0.49	0.47
Combining Small Grains.....	Acre	33.30	31.80	27.50-35.00	32.10	31.60
Combining Soybeans	Acre	35.10	32.20	30.00-35.50	32.70	32.30
Hay Making:						
Mowing.....	Acre	14.60	16.30	12.00-20.00	15.80	15.10
Mowing & Conditioning.....	Acre	19.70	16.60	12.00-22.00	17.40	16.10
Raking.....	Acre	10.50	9.25	5.75-14.75	9.55	9.00
Small Square Baling	Bale	0.98	0.89	0.45-1.75	0.92	0.81
Cut, Rake, Bale & Store	Bale	2.15	1.90	1.14-3.00	2.00	1.80
Large Round Baling.....	Bale	8.35	7.30	5.50-10.00	7.70	7.40
Size.....	Lbs.	872	830	600-1,100	848	839
Large Square Baling.....	Bale	8.15	8.35	6.50-11.00	8.35	8.35
Size.....	Lbs.	768	801	600-1,100	797	791
Wrapping Bales	Bale	6.95	6.80	4.25-9.25	6.85	6.80
Silage Making:						
Pull-Type Chopper & Tractor.....	Hour	86.00	95.00	70.00-100.00	92.00	88.80
Self-Propelled Chopper	Hour	250.00	246.00	150.00-350.00	247.00	247.00
Less than 365 HP	Hour	-	-	125.00-290.00	220.00	204.00
Greater than 365 HP	Hour	-	-	200.00-400.00	281.00	281.00
Blower	Hour	NA ¹	16.60	10.00-30.00	17.00	15.50
1 Man, 2 Wagons, 1 Tractor.....	Hour	NA ¹	81.80	45.00-100.00	80.60	68.00
2 Men, 2 Wagons, 2 Tractors.....	Hour	NA ¹	140.00	85.00-168.00	134.00	115.00
1 Man, 1 Truck.....	Hour	64.10	76.40	57.90-80.00	74.10	66.00
Field Chop, Haul & Fill Silo.....	Ton	NA ¹	7.90	4.00-13.50	8.30	8.95
Bagging Silage.....	Foot	NA ¹	4.55	2.75-7.50	4.85	5.05
Less than 9.0 ft.....	Foot	-	-	2.00-7.50	4.55	4.60
Greater than 9.0 ft.....	Foot	-	-	4.00-7.50	5.15	5.95
Plowing & Cultivating:						
Plowing, Moldboard Plow:						
Stubble.....	Acre	21.70	20.50	12.00-30.00	21.00	19.60
Sod.....	Acre	25.20	24.70	12.00-45.00	24.90	22.40
Plowing, Deep (10 Inches or More).....	Acre	25.80	25.90	15.00-45.00	25.90	24.00
Plowing, Chisel	Acre	21.60	20.20	15.00-30.00	20.50	18.70
Plowing, Disk	Acre	24.00	21.30	15.00-35.00	22.10	19.20
Disking, Tandem.....	Acre	24.80	18.70	15.00-40.00	20.40	18.10
With Harrow or Cultipacker.....	Acre	21.30	19.60	14.00-25.00	20.00	18.60
Harrowing	Acre	16.00	17.20	10.00-21.00	17.50	15.10
Cultivating	Acre	NA ¹	12.80	8.00-18.00	13.90	13.30
Planting & Drilling						
Planting Corn, With Fertilizer:						
Conventional-Till.....	Acre	22.90	20.20	13.00-26.00	20.80	19.50
Minimum-Till	Acre	23.50	21.10	15.00-26.00	21.60	20.50
No-Till.....	Acre	24.70	21.30	17.00-27.00	21.90	21.00
Planting Corn, Without Fertilizer:						
Conventional-Till.....	Acre	22.70	18.80	12.00-25.00	19.70	19.00
Minimum-Till	Acre	23.30	19.10	15.00-23.00	19.80	19.50
No-Till.....	Acre	24.60	19.60	15.00-25.00	20.20	19.90
Planting Soybeans, Without Fertilizer:						
Conventional-Till.....	Acre	21.00	19.40	12.00-23.00	19.70	19.20
Minimum-Till	Acre	NA ¹	19.70	17.00-24.00	20.30	19.40
No-Till.....	Acre	23.60	20.00	15.00-25.00	20.50	19.80
Drilling.....	Acre	NA ¹	19.60	15.00-22.00	19.90	19.60

See footnote at end of table.

Custom Rates: Selected Farming Operations, Pennsylvania, 2012-2013, Continued

Job	Basis of Charge	2013 (Dollars)				2012
		Mountain Section	Valley Section	Range ²	State	State (Dollars)
Planting & Drilling (Continued):						
Drilling Small Grain, Without Fertilizer						
Conventional-Till.....	Acre	20.00	17.60	10.00-22.00	18.30	17.20
Minimum-Till.....	Acre	NA ¹	18.20	15.00-30.00	19.00	18.40
No-Till.....	Acre	23.00	18.50	11.00-22.00	19.10	18.50
Seeding Alfalfa, Clover, Etc.....	Acre	19.70	17.60	10.00-22.00	18.20	18.60
Broadcast Seeding (On Grain Fields).....	Acre	14.80	14.90	10.00-30.00	14.90	11.90
Cleaning Grain Seed:						
With Treatment.....	Bu.	NA ¹	1.40	0.65-2.10	1.30	1.30
Without Treatment.....	Bu.	NA ¹	1.05	0.75-1.60	1.00	0.92
Spraying:						
Ground Equipment:						
Spraying for Weed Control Excl. Material.....	Acre	13.80	10.40	8.00-15.00	11.20	10.70
Spraying for Corn Borer.....	Acre	NA ¹	10.70	7.00-15.00	11.30	10.90
Spraying for Spittle Bug or Alfalfa Weevil.....	Acre	NA ¹	10.80	8.00-15.00	11.10	10.30
Miscellaneous:						
Grain Hauling:						
Local.....	Bu.	0.22	0.23	0.14-0.30	0.22	0.21
Long Distance.....	Bu.	0.51	0.33	0.20-0.50	0.36	0.36
Local.....	Mile	NA ¹	2.20	1.50-3.00	2.25	2.50
Long Distance.....	Mile	NA ¹	2.30	1.00-2.75	2.30	2.65
Grain Storage.....	Bu./Month	0.06	0.06	0.03-0.15	0.06	0.05
Stalk Shredding, P.T.O.....	Acre	16.00	16.70	8.00-23.00	16.60	15.60
Bushhogging.....	Acre	29.00	28.30	12.00-50.00	28.60	25.20
Spreading Bulk Fertilizer:						
Dry.....	Acre	9.60	11.30	4.00-18.00	10.70	10.00
Liquid.....	Acre	NA ¹	11.20	8.00-14.00	11.30	10.70
Side Dressing.....	Acre	NA ¹	12.00	9.50-15.50	12.60	10.70
Lime.....	Acre	12.50	13.00	8.00-20.00	12.90	13.60
Grinding Feed:						
Corn, Oats or Barley.....	Cwt.	0.97	1.20	0.25-1.90	1.10	1.00
Corn & Cobs.....	Cwt.	NA ¹	1.00	0.70-1.87	1.05	0.98
Cobs.....	Cwt.	NA ¹	1.00	0.70-1.80	1.00	0.81
Additional Charge for Mixing.....	Cwt.	NA ¹	0.60	0.41-0.73	0.57	0.56
Machine Tiling (No Tile).....	Foot	NA ¹	1.10	0.80-1.35	1.05	0.95
Back Hoe.....	Hour	59.40	64.70	40.00-80.00	62.70	61.20
Sawing Wood, Chain Saw.....	Hour	22.40	29.40	15.00-45.00	27.50	27.40
Post Hole Digging.....	Hole	5.20	4.55	1.50-10.00	4.80	4.30
Manure Loading, Solid.....	Hour	41.50	50.90	21.50-85.00	48.30	46.10
Manure Spreading, Solid.....	Hour	35.30	61.00	30.00-85.00	54.20	56.70
Manure Pumping.....	Hour	NA ¹	29.50	17.00-50.00	30.50	31.10
Manure Spreading, Liquid.....	Hour	NA ¹	87.80	70.00-110.00	88.80	84.60
Bulldozing.....	Hour	76.30	84.60	50.00-100.00	81.60	79.90
Average Size.....	HP	73.10	101.60	55.00-140.00	91.00	102.00
Tractor Rental Rates:						
Less than 80 HP.....	Hour	33.90	29.80	15.00-50.00	30.50	33.70
80 to 120 HP.....	Hour	46.60	35.40	15.00-60.00	37.00	36.10
120 to 160 HP.....	Hour	NA ¹	42.40	25.00-65.00	42.60	42.80
Greater than 160 HP.....	Hour	NA ¹	57.30	32.00-70.00	56.30	55.50

¹ An "NA" is displayed for any service where too few reports were received to set an estimate, which occurred for several items in the Mountain Section. These reports, however, were still included in setting the State Estimate. ² The range represents the middle 80 percent of all reported rates for each job, thus the lowest 10 percent and the highest 10 percent of all reported values were not published.